

Work Order ID 147866

Friday, June 17, 2016 8:22:11 AM

147866

Page 1

Item ID: D5342-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Rope Clamp
 Start Date: 6/17/2016 Start Qty: 10.00 ***10*** Cust Item ID:
 Required Date: 6/17/2016 Req'd Qty: 10.00 ***10*** Customer:
 Reference:

Approvals: Process Plan: MLD Date: **JUN 17 2016** Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D5342	A

100		0.00							DAS
100									13

Purchasing Memo 13.33
 Purchasing Issue P/O: 32812
 Possible supplier: Knot and Rope Supplier
 Supplier p/n: 0232
 Description: Rope clamp

Material release note is required.

110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.03							
Packaging									

20x SP 116-6-29

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

Work Order ID 147866

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147866

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Item ID: D5342-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Rope Clamp

Start Date: 6/17/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 6/17/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							DAS 38 9-89
120									
QC	Memo	0.03							
Quality Control									JUN 30 2016
130	Identify as per dwg & Stock Location: <u>SK43</u>	0.00							
130									
Packaging	Memo	0.02							DAS 6 9-89
Packaging									JUL 04 2016
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.17							
Quality Control									16/7/4 JJ

DAS
21
9-89

JUL 04 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY					
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	☐	Past Due ☐						

Picklist Print

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Page 1

Work Order ID: 147866

147866

Parent Item: D5342-1

D5342-1

Parent Item Name: Rope Clamp

Start Date: 6/17/2016

Required Date: 6/17/2016

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP REV:A 16.06.06 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
0232 *0232* Rope Clamp		Purchased		No			Each	0.0000		10.20 20x sp/16-6-29	**		

DQA: _____ Date: _____



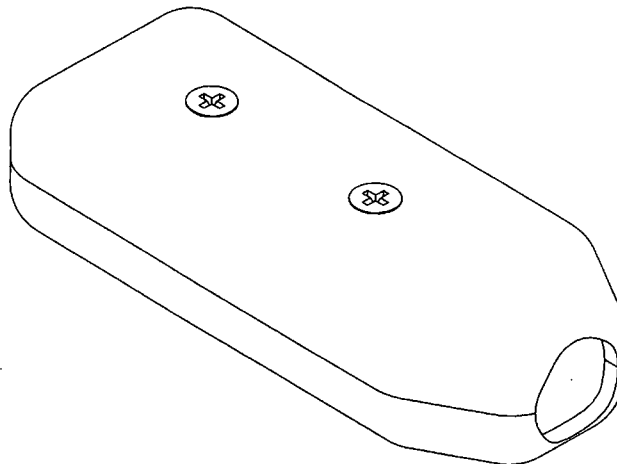
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

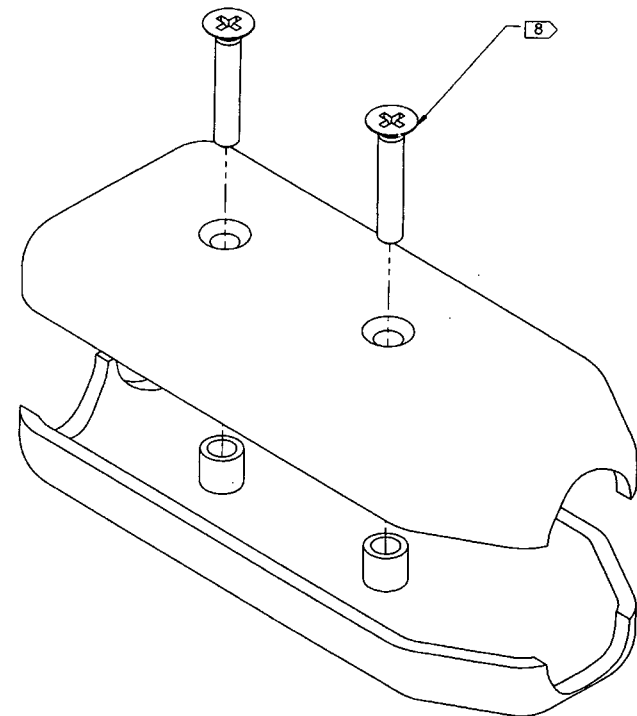
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 				
Description Work Order Deviation				Disposition							
								Completed By			
								Lead hand / Supervisor Approval Verification			
								QC / QA Coordinator Approval			
Root Cause		FAULT CATEGORY									
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong						
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions						
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance						
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect						
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing						
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved						
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing						
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish						
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread						
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence						
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____									
Misidentified ☐	☐ Past Due										

SPECIFICATION CONTROL DRAWING



TOP COPY
RETURN TO
ENGINEERING
CONTROLLED COPY
NO AMENDMENT
NOTICE
FOR ORDER
147 866 MVS
16-06-17



D5342-X ROPE CLAMP

DART P/N	DESCRIPTION	VENDOR	VENDOR P/N	TENSILE STRENGTH	SIZE	COLOUR
D5342-1	ROPE CLAMP	KNOT AND ROPE SUPPLY	0232	1000 lbs	1/2"	BLACK

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
- 7) WEIGHT: N/A
- 8) SCREWS INCLUDED WITH PURCHASED PART

RELEASED
2016-06-03
52W16-533

APPROVED

A		NEW ISSUE		VS	15.10.09
REV.	DESCRIPTION			BY	DATE
DESIGN	VS	DART AEROSPACE LTD		REV. A	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA		SHEET 1 OF 1	
CHECKED	RF	DRAWING NO.		TITLE	
MFG. APPR.	JLM	D5342		ROPE CLAMP	
APPROVED	HS	DATE		SCALE	
DE APPR.	DS	15.10.09		NTS	
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32812

Purchase Order Date 6/23/2016

PO Print Date 6/23/2016

Page Number 1 of 1

Order From :

VU-ROY001

Ship To : DART AEROSPACE LTD

ROYAL BANK VISA
XXX

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

JUN 23 2016

XX, X

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

FedEx Intl Economy

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

COD

USD

Destination-Collect

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	0232	Rope Clamp	6/30/2016 Yes 6/30/2016	FN	20.00 Each	\$6.52	\$130.34
	AS PER DWG D5342 REV. A B147866						
Line Total:							\$130.34
2	71401-45	PROCUUREMENT QUALITY CLAUSES	6/30/2016 No 6/30/2016		1.00	\$0.00	\$0.00
	Quality Procurement Clauses A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A042 DART NOTIFICATION BY SUPPLIER						
Line Total:							\$0.00
PO Total:							\$130.34

Knots Rope

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr:

1

Change Date: 6/23/2016



KNOT & ROPE SUPPLY
www.knotandrope.com • 800-584-1586

Knot & Rope Supply

1650 Waters Edge Dr.
Perrysburg, OH 43551

Phone: (800) 584-1586
Fax: (419) 873-8301

INVOICE

109082



Open Invoice WEB99298

Creation Date: 06/23/2016

Customer #: C40722

Invoice Date: 06/23/2016

Terms:

PO: 99298

Promised Date:

Ship Via: FedEx Ground

BILL TO

Dart Aerospace
Chantal Lavoie
1270 Aberdeen
Hawkesbury, ON K6A 1K7
CA

SHIP TO

Dart Aerospace
Chantal Lavoie
1270 Aberdeen
Hawkesbury, ON K6A 1K7
CA

International Economy

BILL TO: (613)-632-5200 | clavoie@dartaero.com

SHIP TO: (613)-632-5200 | clavoie@dartaero.com

#	SKU	ORD	REM	SHIP	UNIT	PRICE	EXT	TAX
1	0232	20	0	20	ea.	6.52	130.40	N
1/2 Black Rope Clamp								

Sp/6-29.

*Checked and Shipped By...
RU*

NUMBER OF ITEMS: 20 0 20 SUBTOTAL: 130.40

Freight	56.64	Tax	0.00	Other 1 (Web)	187.04
FedEx				TOTAL	187.04

Because of their specific application and use, custom cut-to-length sections of rope are non-returnable.

If you have an unopened spool or other non-custom item, we can arrange a return if the product is in new condition.

Other 1 (Web) 187.04

TOTAL 187.04